

Title (en)

Rapid differentiation of bacteria using cyclic polypeptide antibiotics.

Title (de)

Schnelle Differenzierung der Bakterien unter Verwendung von zyklischen Polypeptid-Antibiotika.

Title (fr)

Différenciation rapide de bactéries en utilisant les antibiotiques polypeptides cycliques.

Publication

EP 0261934 A2 19880330 (EN)

Application

EP 87308383 A 19870922

Priority

US 91070386 A 19860924

Abstract (en)

Rapid differentiation between viable gram-positive and gram-negative bacteria is accomplished with certain polypeptide antibiotics which are used in combination with a compound which is normally reducible by the bacteria. The antibiotics selectively inhibit the reduction of the reducible compound by gram-positive bacteria but do not substantially affect the reducing capacity of the gram-negative bacteria. The particular antibiotics useful are cyclic polypeptides which affect the function of the cytoplasmic membrane of bacteria. A particular polypeptide antibiotic, polymixin B, will distinguish Proteus bacteria from other gram-negative genera.

IPC 1-7

C12Q 1/04; **G01N 33/52**

IPC 8 full level

C12Q 1/04 (2006.01); **C12R 1/37** (2006.01)

CPC (source: EP US)

C12Q 1/04 (2013.01 - EP US); **C12Q 2304/24** (2013.01 - EP US); **C12Q 2304/26** (2013.01 - EP US); **G01N 2333/24** (2013.01 - EP US); **Y10S 435/805** (2013.01 - EP US); **Y10S 435/81** (2013.01 - EP US); **Y10S 435/873** (2013.01 - EP US)

Cited by

US5620865A; WO9615435A3; US6355449B1; US7018807B2

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 0261934 A2 19880330; **EP 0261934 A3 19891011**; CA 1293911 C 19920107; JP S6391099 A 19880421; US 4912036 A 19900327

DOCDB simple family (application)

EP 87308383 A 19870922; CA 524617 A 19861205; JP 23757087 A 19870924; US 91070386 A 19860924